



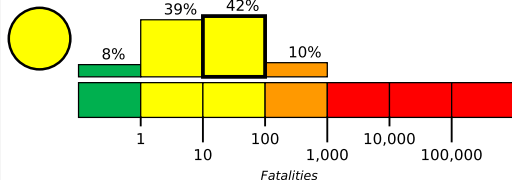
M 5.4, 11 km WNW of San Bartolo, Peru

Origin Time: 2022-05-12 21:55:48 UTC (Thu 16:55:48 local)

Location: 12.3599° S 76.8900° W Depth: 55.9 km

Created: 1 day, 0 hours after earthquake

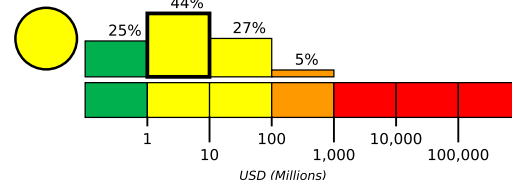
Estimated Fatalities



Yellow alert for shaking-related fatalities and economic losses. Some casualties and damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level response.

Estimated economic losses are less than 1% of GDP of Peru.

Estimated Economic Losses

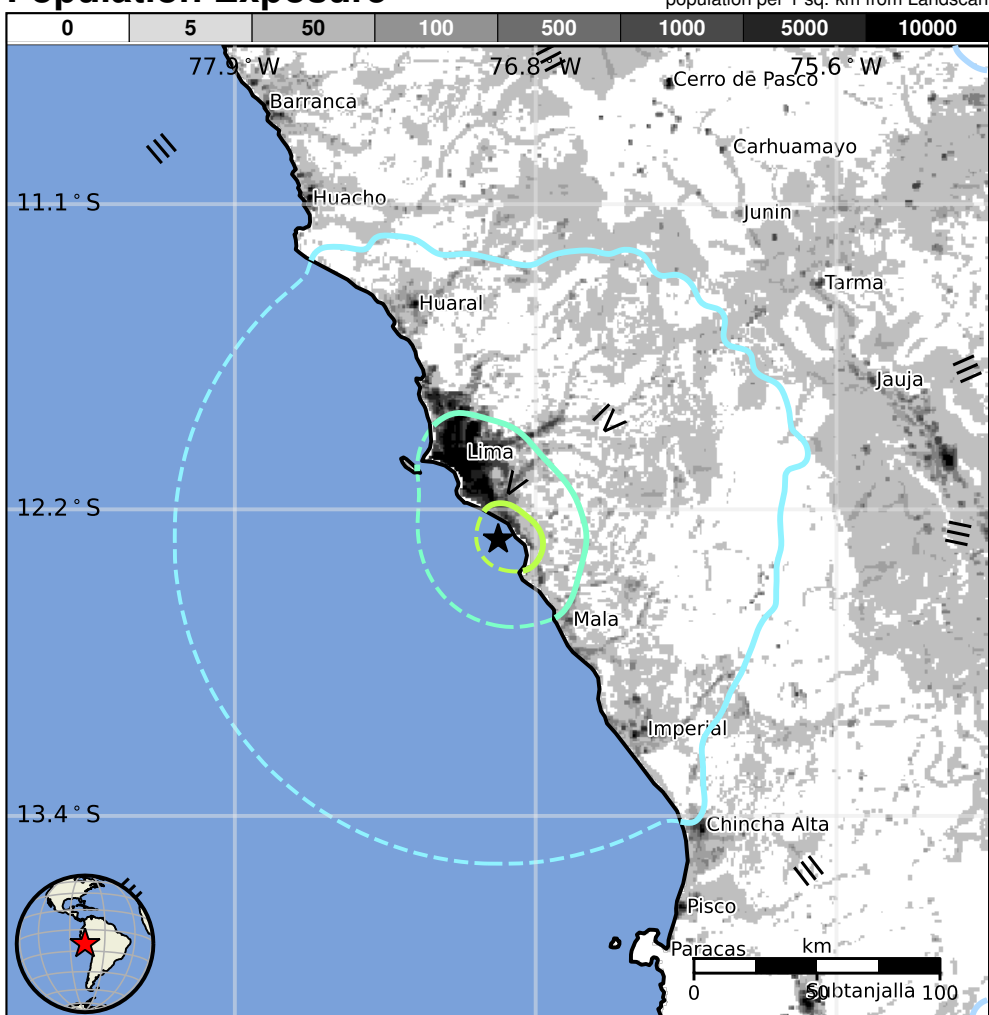


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	2,454k*	1,468k	8,922k	1,083k	8k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are mud wall and reinforced/confined masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1996-11-12	322	7.7	VIII(2k)	14
1974-10-03	69	7.6	VIII(43k)	78
2007-08-15	117	8.0	VIII(493k)	514

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VII	San Bartolo	6k
VI	Punta Hermosa	<1k
VI	Pucusana	<1k
VI	San Luis	9k
V	La Molina	<1k
V	Lima	7,737k
V	Callao	813k
III	Huacho	55k
III	Huancayo	377k
III	Cerro de Pasco	79k
III	Ica	247k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000hkpv#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000hkpv